

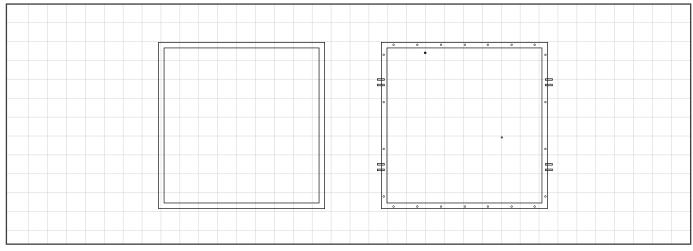
# LED Back Light Panel

Professional optical design .High light efficiency , uniformity and gentle light color, no dazzle



Power	42W
Efficiency	110 lm/w
Luminous flux [lm]	4620
CRI	>80
UGR	UGR<22
IP	IP40
PF	>0.9
LED Chips & QTY	SMD2835 64 Pcs
Diffuser Material	1.0mm PS Diffuser, anti yellowing
Inbut Voltage	AC180-240V 50-60Hz
Beam Angle	120°
Body Color	white
Dimension	595*595*H25mm

## ■ Technical Drawing



### Features



120° Beam Angle



Thick and heavy aluminum



Power factor >0.9



anti yellowing Diffuser



























### Report of Spectrum and Electric Test for Lamp

		Basic Infom	ation		
Sample No.			Testing Date	2024-03-19	
Sample	Sample		Equipments	SPEC1000A	
Operator	perator A		Ambient Temper	ature Deg C	
Manufacture		Ambient Humi	Ambient Humidity		
		Testing Re	sult		
0.8 0.8 0.6 0.2	Distribution Curv	/e		0.43 0.44	
400 450 500	550 600 Wavelength (nm)	650 700 75	x=0.4	40 y=0.403	0.45
400 450 500 V		650 700 75	50 x=0.4		
400 450 500 V	Wavelength (nm)	650 700 79 045 u=0.2517 v=0		40 y=0.403	
400 450 500 N	Wavelength (nm)		).3479	40 y=0.403	
400 450 500 Speci	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40	045 u=0.2517 v=0 Peak Wavele Color Shif	0.3479 ngth 606.3 nm	40 y=0.403  Color Difference Ch	art
Speci Chromaticity Coordinates  Correlated Color Temperature	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K	045 u=0.2517 v=0 Peak Wavele	0.3479 ngth 606.3 nm ft -0.0001 duv	40 y=0.403  Color Difference Ch	art
Speci Chromaticity Coordinates  Correlated Color Temperature  Color Difference	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM	Peak Waveler  Color Shift  (Ref-C)	0.3479 ngth 606.3 nm t -0.0001 duv ngth 582 nm	40 y=0.403  Color Difference Ch  FWHM  (Ref-C)  Color Purty	art 130.8 nr
Speci Chromaticity Coordinates  Correlated Color Temperature  Color Difference  Color Ratio	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM  24.79%  4483.516 Im  Ra=81.9  R1=80.2 R2=89	Peak Waveler Color Shift (Ref-C) Main Waveler Radiant Flu	0.3479  ngth 606.3 nm  t -0.0001 duv  ngth 582 nm  ux 13.5471 W  80.7 R5=80.0 R6=8	40 y=0.403  Color Difference Ch  FWHM  (Ref-C)  Color Purty	130.8 nr 0.582
Speci Chromaticity Coordinates  Correlated Color Temperature  Color Difference  Color Ratio  Luminous Flux	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM  24.79%  4483.516 Im  Ra=81.9  R1=80.2 R2=89	Peak Waveler Color Shift (Ref-C) Main Waveler Radiant Flu	0.3479  ngth 606.3 nm  t -0.0001 duv  ngth 582 nm  ux 13.5471 W  80.7 R5=80.0 R6=8	Color Difference Ch  FWHM  (Ref-C) Color Purty  36.6 R7=83.1 R8=58.	130.8 nr 0.582
Speci Chromaticity Coordinates Correlated Color Temperature Color Difference Color Ratio Luminous Flux Rendering Index	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM  24.79%  4483.516 Im  Ra=81.9  R1=80.2 R2=89	Peak Waveler Color Shift (Ref-C) Main Waveler Radiant Flu	0.3479  ngth 606.3 nm  t -0.0001 duv  ngth 582 nm  ux 13.5471 W  80.7 R5=80.0 R6=8	Color Difference Ch  FWHM  (Ref-C) Color Purty  36.6 R7=83.1 R8=58.	130.8 nr 0.582
Speci Chromaticity Coordinates Correlated Color Temperature Color Difference Color Ratio Luminous Flux Rendering Index Electric Parameters	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM  24.79%  4483.516 Im  Ra=81.9  R1=80.2 R2=89 R9=5.2 R10=75	Peak Waveler Color Shift (Ref-C) Main Waveler Radiant Flu  0.3 R3=96.5 R4=8 5.3 R11=80.2 R12	0.3479  ngth 606.3 nm  t -0.0001 duv  ngth 582 nm  ux 13.5471 W  80.7 R5=80.0 R6=8 2=68.3 R13=83.0 R  0.193 A	Color Difference Ch  FWHM  (Ref-C) Color Purty  36.6 R7=83.1 R8=58.	130.8 nr
Speci Chromaticity Coordinates Correlated Color Temperature Color Difference Color Ratio Luminous Flux Rendering Index Electric Parameters Supply Voltage	Vavelength (nm)  tral Distribution  x=0.4390 y=0.40  2969 K  1.3 SDCM  24.79%  4483.516 Im  Ra=81.9 R1=80.2 R2=89 R9=5.2 R10=75	Peak Waveler Color Shift (Ref-C) Main Waveler Radiant Flu  0.3 R3=96.5 R4=8 6.3 R11=80.2 R12	0.3479  ngth 606.3 nm  t -0.0001 duv  ngth 582 nm  ux 13.5471 W  80.7 R5=80.0 R6=8 2=68.3 R13=83.0 R  0.193 A	Color Difference Ch  FWHM  (Ref-C) Color Purty  36.6 R7=83.1 R8=58.	130.8 nr

### Report of Spectrum and Electric Test for Lamp

Report No.:	45.		Report Date:	2024-03-19		
		Basic Infomation				
Sample No.			Testing Date	2024-03-19	2024-03-19	
Sample	Equ		Equipments	SPEC1000A		
Operator	Am		nbient Temperati	ure Deg C	Deg C	
Manufacture		,	Ambient Humidit	у		
		Testing Result				
0.8 0.6 0.4 0.2 400 450 500	Distribution Curv	650 700 750	0.40 -7SDC 0.39		0.39 0.40	
pour s	tral Distribution			Color Difference Cha	art	
Chromaticity Coordinates		650 u=0.2202 v=0.3294		Color Dillerence Chi	art	
Correlated Color Temperature		Peak Wavelength	451.8 nm	FWHM	22.7 nm	
Color Difference	6.8 SDCM	Color Shift	-0.0011 duv			
Color Ratio	19.34%	(Ref-C) Main Wavelength	579 nm	(Ref-C) Color Purty	0.28	
Luminous Flux	4568.893 lm	Radiant Flux	14.2702 W	*		
Rendering Index		2.1 R3=95.6 R4=85.3 I 80.3 R11=85.1 R12=63			)	
lectric Parameters						
Supply Voltage	221.6 V	Current	0.178 A			
Power	39.60 W	Power Factor	0.979			
Power Efficiency Parameters	39.60 W	Power Factor	0.979			



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Report No.:				Report Date:	2024-03-19		
		Basic Infom	ation				
Sample No.		Testing Date		2024-03-19	2024-03-19		
Sample				Equipments	SPEC1000A	SPEC1000A	
Operator	Ambi		pient Temperature	e Deg C	Deg C		
Manufacture			Ar	mbient Humidity			
		Testing Re	sult				
0.8 (%) 0.6 0.2 0.2 0.2 0.2 0.3 0.4 0.5 0.0	Distribution Curve		50	0.35 7SDCM 5SDCM 0.34 0.33 0.32 0.30 x=0.313	0.31	0.32	
Spec	tral Distribution			C	olor Difference Ch	art	
Chromaticity Coordinates	x=0.3122 y=0.336	62 u=0.1948 v=0	.3147				
Correlated Color Temperature	6478 K	Peak Wavele	ngth	451.2 nm	FWHM	22.9 nm	
Color Difference	0.6 SDCM	Color Shit	ft	0.0071 duv			
Color Ratio	14.32%	(Ref-C) Main Wavele	ngth	555 nm	(Ref-C) Color Purty	0.06	
Luminous Flux	4332.418 lm	Radiant Flu		13.8375 W			
Rendering Index	Ra=85.1 R1=83.8 R2=86. R9=20.8 R10=65				R7=93.3 R8=78.4 =92.2 R15=80.5	1	
Electric Parameters	r		:1				
Supply Voltage	221.3 V	Current		0.187 A			
Power	40.60 W	Power Fact	or	0.981			
Efficiency Parameters							
Luminous Efficiency	106.71 lm/W						

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